



1600

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/823,418

DATE: 06/17/2003

TIME: 09:16:03

RECEIVED

Input Set : D:\22000-20597.txt

Output Set: N:\CRF4\06172003\I823418.raw

JUN 20 2003

TECH CENTER 1600/2900

4 <110> APPLICANT: Innerarity, Thomas
 5 Boren, Jan
 7 <120> TITLE OF INVENTION: METHODS AND TOOLS FOR IDENTIFYING COMPOUNDS
 8 WHICH MODULATE ATHEROSCLEROSIS BY IMPACTING
 9 LDL-PROTEOGLYCAN BINDING
 11 <130> FILE REFERENCE: 220002059711
 13 <140> CURRENT APPLICATION NUMBER: US 09/823,418
 14 <141> CURRENT FILING DATE: 2001-03-29
 16 <150> PRIOR APPLICATION NUMBER: US 09/265,222
 17 <151> PRIOR FILING DATE: 1999-03-05
 19 <150> PRIOR APPLICATION NUMBER: US 60/077,618
 20 <151> PRIOR FILING DATE: 1998-03-10
 22 <160> NUMBER OF SEQ ID NOS: 25
 24 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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 28 <212> TYPE: PRT
 29 <213> ORGANISM: Homo sapiens
 31 <220> FEATURE:
 32 <221> NAME/KEY: MUTAGEN
 33 <222> LOCATION: 6
 34 <223> OTHER INFORMATION: Missense mutation
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 37 Thr Arg Leu Thr Arg Glu Arg Gly Leu Lys
 38 1 5 10
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 47 <221> NAME/KEY: MUTAGEN
 48 <222> LOCATION: 6
 49 <223> OTHER INFORMATION: Missense mutation
 51 <400> SEQUENCE: 2
 52 Thr Arg Leu Thr Arg Asp Arg Gly Leu Lys
 53 1 5 10
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 58 <212> TYPE: PRT
 59 <213> ORGANISM: Homo sapiens
 61 <220> FEATURE:
 62 <221> NAME/KEY: MUTAGEN
 63 <222> LOCATION: 6

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64 <223> OTHER INFORMATION: Missense mutation
66 <400> SEQUENCE: 3
67 Thr Arg Leu Thr Arg Ala Arg Gly Leu Lys
68 1 5 10
71 <210> SEQ ID NO: 4
72 <211> LENGTH: 10
73 <212> TYPE: PRT
74 <213> ORGANISM: Homo sapiens
76 <220> FEATURE:
77 <221> NAME/KEY: MUTAGEN
78 <222> LOCATION: 6
79 <223> OTHER INFORMATION: Missense mutation
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82 Thr Arg Leu Thr Arg Thr Arg Gly Leu Lys
83 1 5 10
86 <210> SEQ ID NO: 5
87 <211> LENGTH: 10
88 <212> TYPE: PRT
89 <213> ORGANISM: Homo sapiens
91 <220> FEATURE:
92 <221> NAME/KEY: MUTAGEN
93 <222> LOCATION: 6
94 <223> OTHER INFORMATION: Missense mutation
96 <400> SEQUENCE: 5
97 Thr Arg Leu Thr Arg Ser Arg Gly Leu Lys
98 1 5 10
101 <210> SEQ ID NO: 6
102 <211> LENGTH: 10
103 <212> TYPE: PRT
104 <213> ORGANISM: Homo sapiens
106 <220> FEATURE:
107 <221> NAME/KEY: MUTAGEN
108 <222> LOCATION: 6
109 <223> OTHER INFORMATION: Missense mutation
111 <400> SEQUENCE: 6
112 Thr Arg Leu Thr Arg Gln Arg Gly Leu Lys
113 1 5 10
116 <210> SEQ ID NO: 7
117 <211> LENGTH: 10
118 <212> TYPE: PRT
119 <213> ORGANISM: Homo sapiens
121 <220> FEATURE:
122 <221> NAME/KEY: MUTAGEN
123 <222> LOCATION: 5
124 <223> OTHER INFORMATION: Missense mutation
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127 Thr Arg Leu Thr Glu Lys Arg Gly Leu Lys
128 1 5 10
131 <210> SEQ ID NO: 8

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132 <211> LENGTH: 10
133 <212> TYPE: PRT
134 <213> ORGANISM: Homo sapiens
136 <220> FEATURE:
137 <221> NAME/KEY: MUTAGEN
138 <222> LOCATION: 5
139 <223> OTHER INFORMATION: Missense mutation
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142 Thr Arg Leu Thr Asp Lys Arg Gly Leu Lys
143 1 5 10
146 <210> SEQ ID NO: 9
147 <211> LENGTH: 10
148 <212> TYPE: PRT
149 <213> ORGANISM: Homo sapiens
151 <220> FEATURE:
152 <221> NAME/KEY: MUTAGEN
153 <222> LOCATION: 7
154 <223> OTHER INFORMATION: Missense mutation
156 <400> SEQUENCE: 9
157 Thr Arg Leu Thr Arg Lys Glu Gly Leu Lys
158 1 5 10
161 <210> SEQ ID NO: 10
162 <211> LENGTH: 10
163 <212> TYPE: PRT
164 <213> ORGANISM: Homo sapiens
166 <220> FEATURE:
167 <221> NAME/KEY: MUTAGEN
168 <222> LOCATION: 7
169 <223> OTHER INFORMATION: Missense mutation
171 <400> SEQUENCE: 10
172 Thr Arg Leu Thr Arg Lys Asp Gly Leu Lys
173 1 5 10
176 <210> SEQ ID NO: 11
177 <211> LENGTH: 10
178 <212> TYPE: PRT
179 <213> ORGANISM: Homo sapiens
181 <220> FEATURE:
182 <221> NAME/KEY: MUTAGEN
183 <222> LOCATION: 2
184 <223> OTHER INFORMATION: Missense mutation
186 <400> SEQUENCE: 11
187 Thr Glu Leu Thr Arg Lys Arg Gly Leu Lys
188 1 5 10
191 <210> SEQ ID NO: 12
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193 <212> TYPE: PRT
194 <213> ORGANISM: Homo sapiens
196 <220> FEATURE:
197 <221> NAME/KEY: MUTAGEN

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199 <223> OTHER INFORMATION: Missense mutation
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202 Thr Asp Leu Thr Arg Lys Arg Gly Leu Lys
203 1 5 10
206 <210> SEQ ID NO: 13
207 <211> LENGTH: 9
208 <212> TYPE: PRT
209 <213> ORGANISM: Homo sapiens
211 <220> FEATURE:
212 <221> NAME/KEY: MUTAGEN
213 <222> LOCATION: (5)...(6)
214 <223> OTHER INFORMATION: Single amino acid deletion between residues 5 and
215 6
217 <400> SEQUENCE: 13
218 Thr Arg Leu Thr Arg Arg Gly Leu Lys
219 1 5
222 <210> SEQ ID NO: 14
223 <211> LENGTH: 9
224 <212> TYPE: PRT
225 <213> ORGANISM: Homo sapiens
227 <220> FEATURE:
228 <221> NAME/KEY: MUTAGEN
229 <222> LOCATION: (4)...(5)
230 <223> OTHER INFORMATION: Single amino acid deletion between residues 4 and
231 5
233 <400> SEQUENCE: 14
234 Thr Arg Leu Thr Lys Arg Gly Leu Lys
235 1 5
238 <210> SEQ ID NO: 15
239 <211> LENGTH: 9
240 <212> TYPE: PRT
241 <213> ORGANISM: Homo sapiens
243 <220> FEATURE:
244 <221> NAME/KEY: MUTAGEN
245 <222> LOCATION: (6)...(7)
246 <223> OTHER INFORMATION: Single amino acid deletion between residues 6 and
247 7
249 <400> SEQUENCE: 15
250 Thr Arg Leu Thr Arg Lys Gly Leu Lys
251 1 5
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255 <211> LENGTH: 11
256 <212> TYPE: PRT
257 <213> ORGANISM: Homo sapiens
259 <220> FEATURE:
260 <221> NAME/KEY: MUTAGEN
261 <222> LOCATION: 6
262 <223> OTHER INFORMATION: Insertion of a single amino acid

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Input Set : D:\22000-20597.txt

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266 1 5 10
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271 <212> TYPE: PRT
272 <213> ORGANISM: Homo sapiens
274 <220> FEATURE:
275 <221> NAME/KEY: MUTAGEN
276 <222> LOCATION: 7
277 <223> OTHER INFORMATION: Insertion of a single amino acid
279 <400> SEQUENCE: 17
280 Thr Arg Leu Thr Arg Lys Glu Arg Gly Leu Lys
281 1 5 10
284 <210> SEQ ID NO: 18
285 <211> LENGTH: 11
286 <212> TYPE: PRT
287 <213> ORGANISM: Homo sapiens
289 <220> FEATURE:
290 <221> NAME/KEY: MUTAGEN
291 <222> LOCATION: 6
292 <223> OTHER INFORMATION: Insertion of a single amino acid
294 <400> SEQUENCE: 18
295 Thr Arg Leu Thr Arg Asp Lys Arg Gly Leu Lys
296 1 5 10
299 <210> SEQ ID NO: 19
300 <211> LENGTH: 11
301 <212> TYPE: PRT
302 <213> ORGANISM: Homo sapiens
304 <220> FEATURE:
305 <221> NAME/KEY: MUTAGEN
306 <222> LOCATION: 7
307 <223> OTHER INFORMATION: Insertion of a single amino acid
309 <400> SEQUENCE: 19
310 Thr Arg Leu Thr Arg Lys Asp Arg Gly Leu Lys
311 1 5 10
314 <210> SEQ ID NO: 20
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316 <212> TYPE: PRT
317 <213> ORGANISM: Homo sapiens
319 <220> FEATURE:
320 <221> NAME/KEY: BINDING
321 <222> LOCATION: (1)...(10)
322 <223> OTHER INFORMATION: Putative proteoglycan binding site of wild-type
323 human apo-B100 protein
325 <400> SEQUENCE: 20
326 Thr Arg Leu Thr Arg Lys Arg Gly Leu Lys
327 1 5 10
330 <210> SEQ ID NO: 21

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/823,418

DATE: 06/17/2003

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Input Set : D:\22000-20597.txt

Output Set: N:\CRF4\06172003\I823418.raw